

# Gulf Coast Ecosystem Restoration Council

August 27, 2015



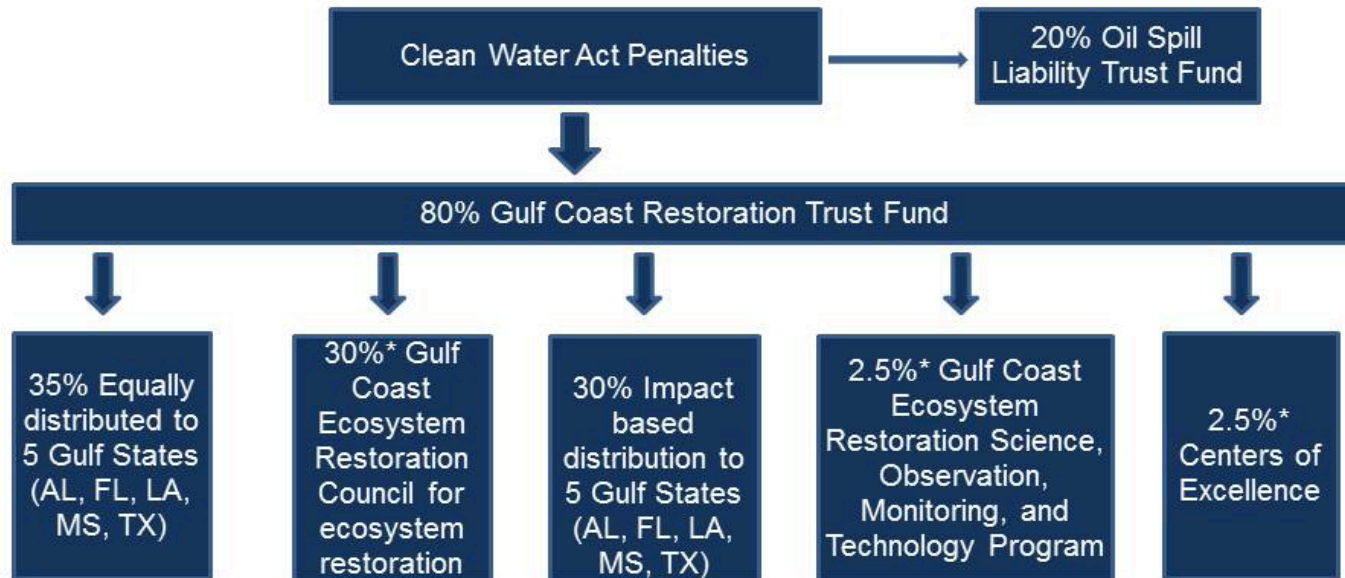
# RESTORE Act

- Signed into law July 6, 2012
- Dedicates 80% of Clean Water Act civil & admin penalties resulting from Deepwater Horizon oil spill to the Gulf Coast Restoration Trust Fund
- Created the Gulf Coast Ecosystem Restoration Council with responsibility over 60% of the Trust Fund



# Allocation of Funds

## Allocation of Gulf Coast Restoration Trust Fund



**\*Supplemented by interest generated by the Trust Fund (50% to Gulf Coast Ecosystem Restoration Council, 25% to Science Program, 25% to Centers of Excellence)**





# Gulf Coast Ecosystem Restoration Council

## **The 11-member RESTORE Council is comprised of:**

- Governors from the five (5) affected Gulf States
- Secretary of the Department of Commerce (Chair)
- Secretary of the Department of Agriculture
- Secretary of the Department of the Army
- Administrator of the Environmental Protection Agency
- Secretary of the Department of Homeland Security
- Secretary of the Department of the Interior





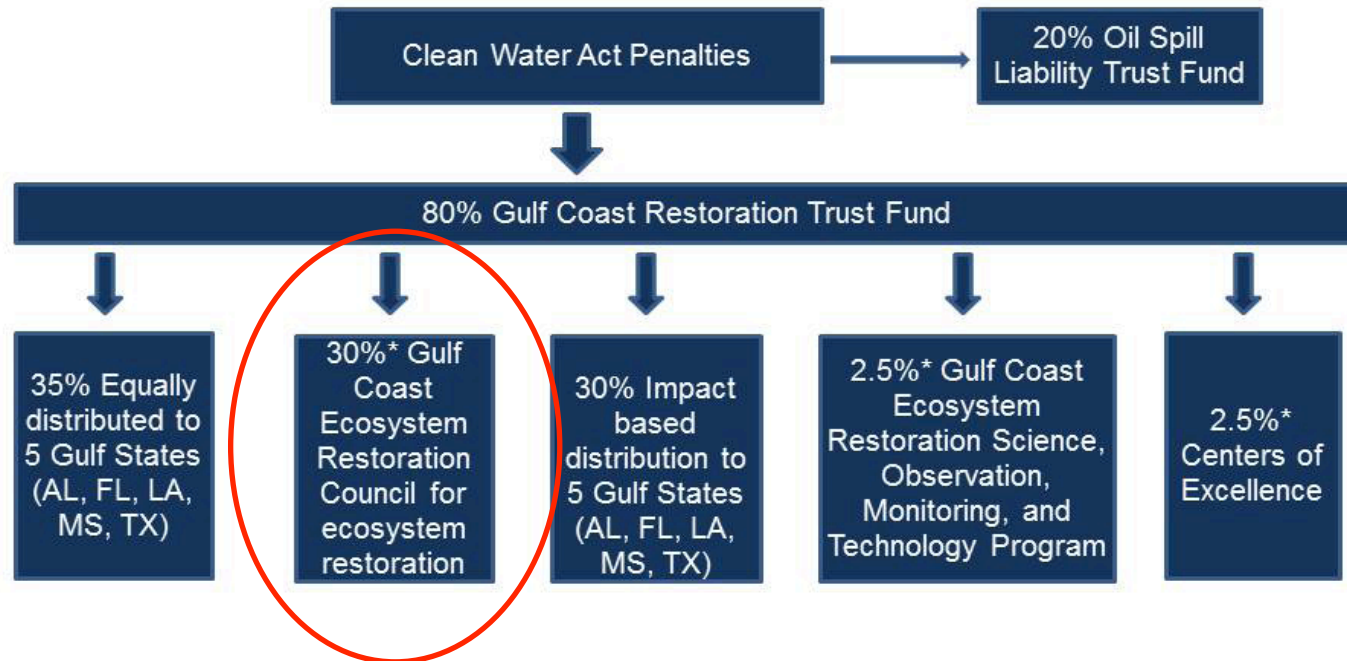
# Funding

- **Settlement with Transocean for \$1 billion Clean Water Act civil penalties**
  - 80% or \$800 million plus interest is available in the Trust Fund
- **On July 2, BP announced Agreements in Principle with the US & Gulf States**
  - Provides for \$5.5 billion Clean Water Act penalty
  - Payable over 15 years
  - Terms are subject to a Confidentiality Order
  - Will not become final until a Consent Decree is negotiated, made available for public review & approved by the court



# Bucket 2

## Allocation of Gulf Coast Restoration Trust Fund



**\*Supplemented by interest generated by the Trust Fund (50% to Gulf Coast Ecosystem Restoration Council, 25% to Science Program, 25% to Centers of Excellence)**



# Bucket 2 Requirements

- **Council to restore the Gulf “without regard to geographic location”**
- **4 Priority Criteria from the Act:**
  - Provide the greatest contribution to restoring & protecting the natural resources of the Gulf
  - Large-scale
  - Build upon existing coastal restoration plans or programs
  - Provide for long-term ecosystem resilience to areas most impacted by the DWH oil spill





# Process for Project Selection

**August 2014: Council  
invited Members to submit  
up to 5 proposals each**

**50 proposals with 380  
“Components” submitted**

**All proposals & “Context  
Reports” posted on web**

## **Context Reports Evaluated Projects By:**

- Eligibility
- Budget
- Consistency with the  
Act & Initial  
Comprehensive Plan
- Best Available Science
- Environmental  
Compliance



# Focus & Emphasis Areas

## Focus Areas

- **Habitat**
- **Water Quality**

## Emphasis Areas

- **Foundational**
- **Sustainable**
- **Likely to succeed**
- **Benefits the human community**



# Initial Draft Funded Priorities List (FPL)

- **Focus on 10 Key Watersheds**
- **Highly-Leveraged**
- **Lay the Groundwork for the Future by Supporting Large-Scale Planning Projects**
- **Foundational Restoration Investments**





# Highly Leveraged Draft FPL

- If all Category 1 & 2 activities were fully implemented, this Draft FPL would build upon or leverage approximately **\$1.27 billion** additional restoration investments.
- That means that every \$1 the Council spends from Bucket 2 would build upon \$7 of prior, concurrent, or future investments.



# Draft Funded Priorities List: Two Categories

## Category 1

- Proposed for funding in final FPL
- Includes planning & on-the-ground restoration
- Applicable environmental laws addressed (e.g. NEPA)

## Category 2

- Priorities for further review & potential future funding
- Additional analysis needed, including environmental compliance
- Have planning components in Category 1



# Draft Funded Priorities List: Some Highlights

- **Conserve 9,400 acres of coastal habitat**
- **Plug 11 abandoned oil & gas wells**
- **Backfill 16.5 miles of abandoned oil & gas canals**
- **Eliminate the use of 16,000 pounds of fertilizer annually**
- **Reduce pollutant loads by 60,000 pounds annually**
- **Invest in Gulf-wide science, coordination, planning, & restoration training programs**





# Our Partners Include

- NFWF
- NRDA Trustees
- CIAP
- CWPPRA
- Knobloch Foundation
- Migratory Bird Conservation Fund
- The Conservation Fund
- TNC
- GOMRI
- Audubon
- Wildlife MS
- Several Local Cities & Counties
- USM



# Initial Draft FPL

## **10 Key Watersheds**



# Laguna Madre

Gulf of Mexico

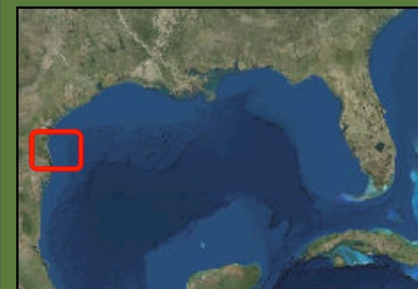


Gulf Coast  
Ecosystem  
Restoration  
Council

## Laguna Madre Watershed

Restore, Protect, and Rebuild Projects

- Plug Abandoned Oil and Gas Wells (DOI\_RESTORE\_003\_049-051\_Cat1)
- Bahia Grande Wetland System Restoration (DOC\_RESTORE\_001\_001\_Cat1/Cat2)
- Bahia Grande Coastal Corridor (TX\_RESTORE\_001\_000\_Cat1)



Map Date: July 16, 2015





# Laguna Madre

## **Why this is a Key Watershed**

- Only hyper saline coastal lagoon in North America
- Supports rare & endangered species (e.g. Kemp's Ridley Turtle & Piping Plover) & fragile habitat

## **Ecological Stressors**

- Habitat fragmentation from regional land uses
- Water quality/quantity & invasive species

## **Council Restoration Activities**

- Land acquisition (co-funded with Knobloch)
- Hydrologic restoration of coastal wetlands
- Plugging abandoned oil & gas wells



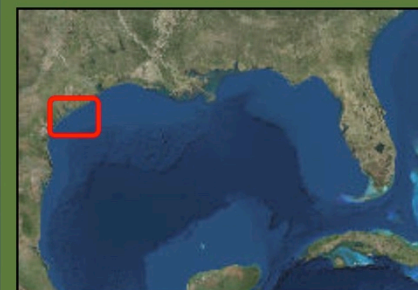
# Gulf Coast Ecosystem Restoration Council

## Matagorda Bay Watershed

Restore, Protect, and Rebuild Projects



Matagorda Bay System Priority  
Landscape Conservation  
(TX\_RESTORE\_002\_000\_Cat1)



Map Date: July 16, 2015

# Matagorda Bay



# Matagorda Bay

## **Why this is a Key Watershed**

- Biodiversity “hot spot” & diverse habitats
- Supports a wide variety of endangered species (e.g. whooping crane)
- Ecotourism industry

## **Ecological Stressors**

- Development risk & potential habitat fragmentation
- Water quality & quantity

## **Council Restoration Activities**

- Unique opportunity to conserve by land acquisition
- Adjoining leveraging with NFWF (Powderhorn Ranch)







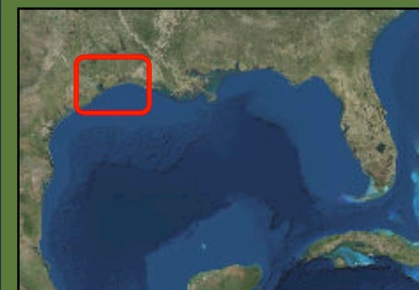
# Gulf Coast Ecosystem Restoration Council

## Galveston Bay Watershed

Restore, Protect, and Rebuild Projects

-  Bayou Greenways  
(TX\_RESTORE\_003\_000\_Cat1 /Cat2)
-  Texas Beneficial Use/Marsh Restoration  
(TX\_RESTORE\_004\_001-003\_Cat1)

0 5 10 20 Miles  
0 5 10 20 Kilometers



Map Date: July 16, 2015

# Galveston Bay





# Galveston Bay

## **Why this is a Key Watershed**

- 7<sup>th</sup> largest estuary in U.S.
- Supports migratory birds & threatened & endangered species
- Supports robust fishing

## **Ecological Stressors**

- Coastal development
- Water quality & quantity

## **Council Restoration Activities**

- Riparian buffers to support habitat & water quality restoration
- Planning for beneficial use of dredged sediment



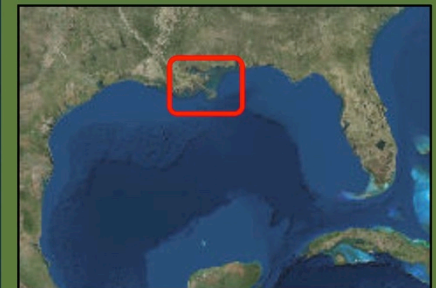
# Gulf Coast Ecosystem Restoration Council

## Mississippi River Delta

### Restore, Protect, and Rebuild Projects

- Biloxi Marsh Living Shoreline (LA\_RESTORE\_003\_000\_Cat1)
- Jean Lafitte Canal Backfilling (DOI\_RESTORE\_003\_048\_Cat1)
- West Grand Terre Beach
- Nourishment and Stabilization (LA\_RESTORE\_001\_000\_Cat1)
- Golden Triangle Marsh Creation (LA\_RESTORE\_002\_000\_Cat1)
- Lowermost Mississippi River Management (LA\_RESTORE\_004\_000\_Cat1)
- Mississippi River Reintroduction into Maurepas Swamp (LA\_RESTORE\_005\_000\_Cat1)
- Bayou Dularge Ridge, Marsh & Hydrologic Restoration (USDA\_RESTORE\_006\_000\_Cat1)

0 5 10 20 Miles  
0 5 10 20 Kilometers



Map Date: August 11, 2015

# Mississippi River Delta

Gulf of Mexico





# Mississippi River Delta

## **Why this is a Key Watershed**

- World's 7<sup>th</sup> largest delta
- One of the most productive estuaries in the world
- Critical role in the nation's energy & economic security

## **Ecological Stressors**

- Land loss crisis (combination of factors)
- Hurricanes

## **Council Restoration Activities**

- Build upon investments made by the state in its Coastal Master Plan
- Large-scale planning supports river diversion, marsh restoration, & barrier islands
- Study to support more holistic management of the Lower MS River





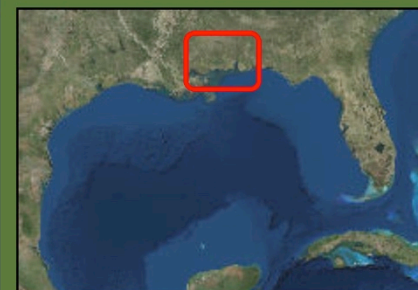
## Gulf Coast Ecosystem Restoration Council

### Mississippi Sound Watershed

Restore, Protect, and Rebuild Projects

- Enhancing Opportunities for Beneficial Use of Dredge Sediments (MS\_RESTORE\_002\_001-006\_Cat1)
- Deer Island Beneficial Use Site (USACE\_RESTORE\_004\_000\_Cat1)
- Strategic Land Protection, Conservation, and Enhancement of Priority Gulf Coast Landscapes (MS\_RESTORE\_001\_002\_Cat1)
- SeaGrant Education and Outreach (MS\_RESTORE\_001\_011\_Cat1)
- The Mississippi Sound Estuarine Program (MS\_RESTORE\_003\_000\_Cat1)

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0 5 10 20 Kilometers



Map Date: August 05, 2015

# Mississippi Sound

Gulf of Mexico





# Mississippi Sound

## **Why this is a Key Watershed**

- Diverse estuaries, bays, bayous, tidal rivers & creeks
- Ecological diversity that support commercial & recreational fishing & a nationally important oyster industry
- Largest undammed river in Lower 48 (Pascagoula)

## **Ecological Stressors**

- Habitat loss, fragmentation & water quality

## **Council Restoration Activities**

- Connecting fragmented habitat (e.g. Grand Bay, DeSoto National Forest, Gulf Islands National Seashore)
- Beneficial use to create wetlands
- MS Sound Estuary Program
- Education & Outreach pilot

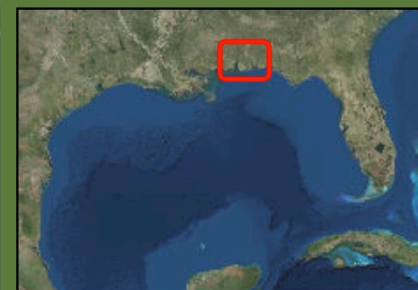


# Gulf Coast Ecosystem Restoration Council

## Mobile Bay Watershed

### Restore, Protect, and Rebuild Projects

- ▲ Alabama Living Shorelines Program (AL\_RESTORE\_004\_001-003\_Cat1/Cat2)
- ◆ Comprehensive Living Shoreline Monitoring (AL\_RESTORE\_004\_004\_Cat1/Cat2)
- Enhancing Opportunities for Beneficial Use of Dredged Sediments (MS\_RESTORE\_002\_007-009\_Cat1)
- Alabama SAV Restoration and Monitoring Program (AL\_RESTORE\_005\_001-002\_Cat1)
- ▭ Coastal Alabama Comprehensive Watershed Restoration Planning Project (AL\_RESTORE\_003\_000\_Cat1)
- ▭ Marsh Restoration in Fish River, Weeks Bay, Oyster Bay & Meadows Tract (DOC\_RESTORE\_001\_006-008\_Cat1/Cat2)
- ▭ Mobile Bay National Estuary Program (EPA\_RESTORE\_002\_004\_Cat1/Cat2)
- ▭ Upper Mobile Bay Beneficial Use Wetland Creation Site (USACE\_RESTORE\_005\_000\_Cat1)



Map Date: August 04, 2015

# Mobile Bay

Gulf of Mexico





# Mobile Bay

## **Why this is a Key Watershed**

- Ranks 5<sup>th</sup> in the U.S. in biodiversity & 1<sup>st</sup> east of MS River
- Robust ecotourism-including coastal & deep sea fishing

## **Ecological Stressors**

- Land-use conversion, shoreline hardening, invasive species, & water quality degradation

## **Council Restoration Activities**

- Supporting the Mobile Bay National Estuary Program
- Watershed planning
- Living shoreline & SAV restoration & monitoring
- Beneficial use of dredged sediments to restore wetlands
- Marsh restoration

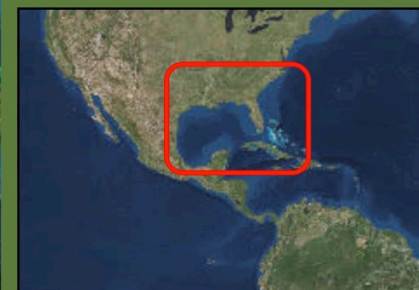


# Gulf Coast Ecosystem Restoration Council

## Gulf-wide Investments

### Foundational Projects

- Council Monitoring & Assessment  
Program Development  
(DOC\_RESTORE\_002\_001\_Cat1)
- Strategic Conservation Assessment Framework  
(MS\_RESTORE\_001\_009\_Cat1)
- GOMA Coordination (AL\_RESTORE\_002\_001\_Cat1)
- Gulf of Mexico Conservation  
Enhancement Grant Program  
(MS\_RESTORE\_001\_005\_Cat1/Cat2)
- Gulf of Mexico Habitat Restoration via  
Conservation Corps Partnerships  
(DOC\_RESTORE\_003\_007\_Cat1)
- Gulf Coast Conservation Reserve Program  
(MS\_RESTORE\_001\_007\_Cat1/Cat2)
- Gulf of Mexico Estuary Program (GMEP)  
(EPA\_RESTORE\_003\_008\_Cat1)
- Baseline Flow, Gage Analysis & On-Line  
Tool to Support Restoration  
(EPA\_RESTORE\_004\_000\_Cat1/Cat2)



Map Date: July 16, 2015

# Foundational Gulf-wide Investments



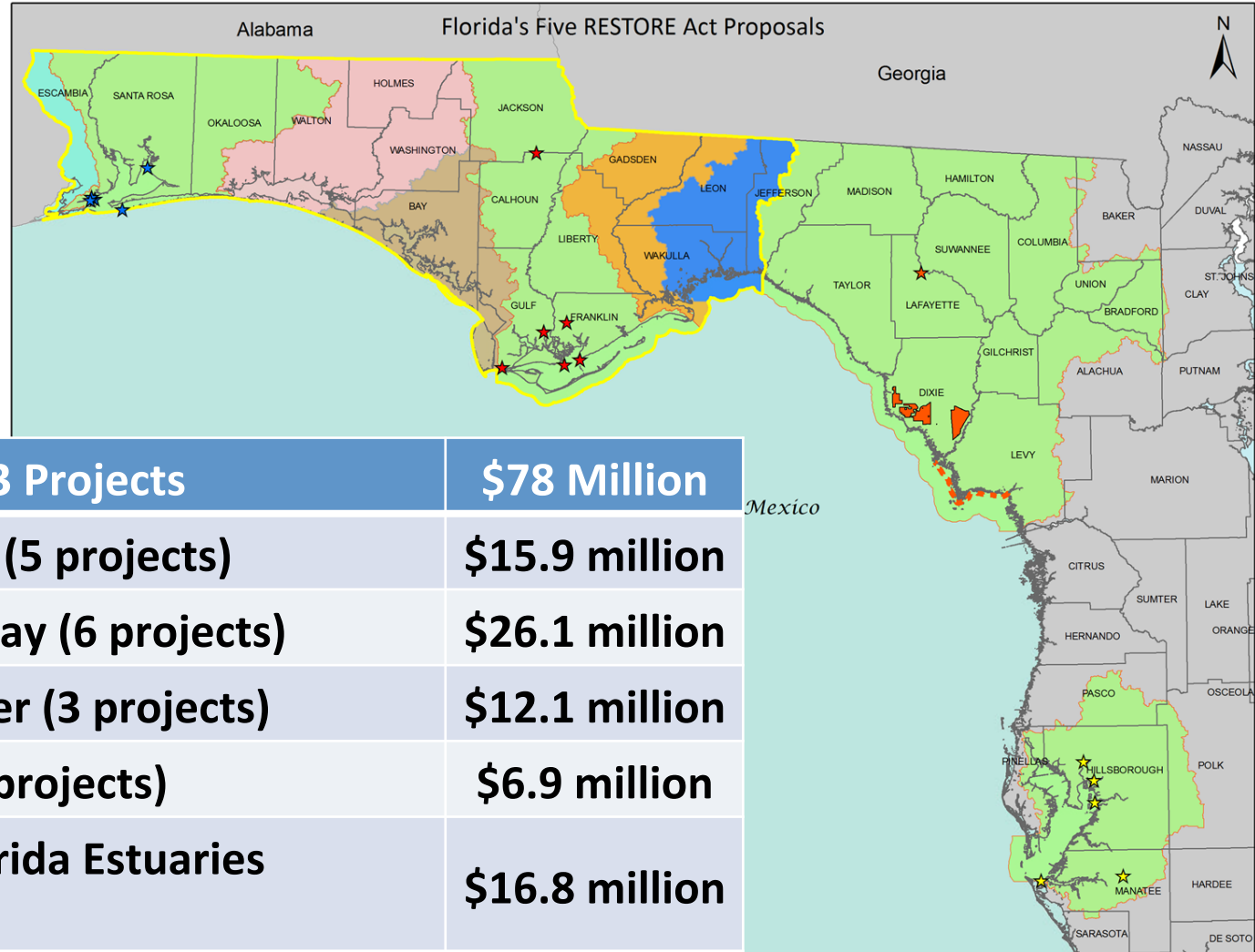


# Foundational Gulf-wide Investments

- **Gulf-wide grant program to address habitat & water quality/quantity**
- **Support science-based decision making:**
  - Planning tools to support habitat & water quality/quantity restoration
  - Restoration monitoring & coordination
- **Gulf Coast Conservation Corps Program:**
  - Equip local workforce with knowledge & skills to implement & manage restoration projects
  - Work with Federally-recognized Tribes to provide a tribal youth program



# Florida's November 2014 Submissions to RESTORE Council



**5 Proposals -23 Projects**

**\$78 Million**

**Pensacola Bay (5 projects)**

**\$15.9 million**

**Apalachicola Bay (6 projects)**

**\$26.1 million**

**Suwannee River (3 projects)**

**\$12.1 million**

**Tampa Bay (5 projects)**

**\$6.9 million**

**Northwest Florida Estuaries  
(4 projects)**

**\$16.8 million**



# Florida's Projects on Draft FPL

## **Florida Sponsored - \$18.5 million**

- Category 1 - \$12.5 million
- Category 2 - \$6 million

## **Other Council Member Sponsored - \$12 million**

- Category 1 - \$4 million
- Category 2 - \$8 million

## **Gulf-wide Florida Benefits - \$7 million**

- Category 1 - \$5.7 million
- Category 2 - \$1.6 million






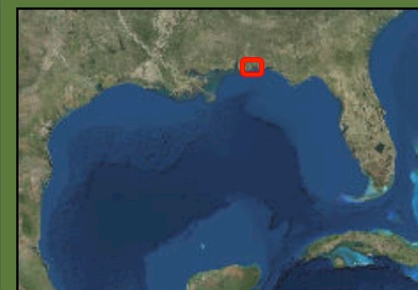


# Gulf Coast Ecosystem Restoration Council

## Pensacola Bay Watershed

Restore, Protect, and Rebuild Projects

-  Pensacola Bay Living Shoreline - Phase I (FL\_RESTORE\_001\_002\_Cat1/Cat2)
-  Beach Haven - Joint Stormwater & Wastewater Improvement Project-Phase II (FL\_RESTORE\_001\_004\_Cat1)
-  Bayou Chico Contaminated Sediment Removal- Planning, Design, and Permitting (FL\_RESTORE\_001\_005\_Cat1)



Map Date: August 11, 2015

# Pensacola Bay

Gulf of Mexico





# Pensacola Bay

## **Beach Haven Joint Stormwater & Wastewater Improvement Project – Phase II**

- 6.4 miles of sewer main & removal of 760 septic tanks
- Category 1: \$5,967,000
- Pollutant load reduction of 60,000 lb. per year
- Leveraging \$6 million from Local Governments

## **Bayou Chico Contaminated Sediment Removal – Planning, Design, and Permitting**

- Dredging sediments from Bayou Chico
- Category 1: \$356,850
- Future benefits include: restore benthic habitat, increase biological diversity & productivity, and improve water quality
- Leveraging over \$11 million in NFWF funding & \$25 million from Bayou Chico stakeholders



# Pensacola Bay

## **Pensacola Bay Living Shoreline – Phase 1**

- Design of 24,800 l.f. of oyster reef and 205 acres of marsh and SAV
- Creation of 2,000 l.f. of oyster reef breakwater and 25 acres marsh and SAV
- Category 1: \$231,314
- Category 2: \$1,564,636
- Leveraging \$11 million in NRDA funding









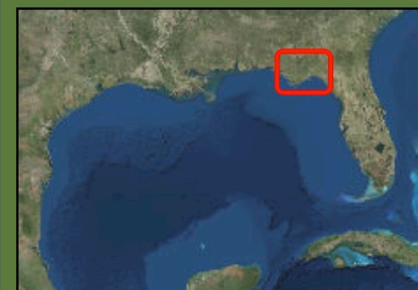
## Gulf Coast Ecosystem Restoration Council

### Apalachicola Bay Watershed

Restore, Protect, and Rebuild Projects

-  Apalachicola Bay Oyster Restoration (FL\_RESTORE\_002\_006\_Cat1/Cat2)
-  Money Bayou Wetlands Restoration (DOC\_RESTORE\_001\_009\_Cat1/Cat2)
-  Apalachicola Watershed Agriculture Water Quality Improvement (FL\_RESTORE\_002\_005\_Cat1)
-  Tate's Hell Strategy 1 (USDA\_RESTORE\_002\_001\_Cat1/Cat2)

0 5 10 20 Miles  
0 5 10 20 Kilometers



Map Date: August 04, 2015

# Apalachicola Bay

Gulf of Mexico





# Apalachicola Bay

## **Apalachicola Watershed Agriculture Water Quality Improvement**

- FDACS Ag BMPs cost-share program to improve water quality on private land
- Category 1: \$2,219,856
- Eliminate approx. 8,000 lb of fertilizer per year
- Leveraging approx. \$700,000 in cost-share

## **Apalachicola Bay Oyster Restoration**

- 43,858 cubic yards of cultch
- 219 acres
- Category 1: \$702,000
- Category 2: \$3,978,000
- Leveraging \$4 million NFWF, \$2.1 million NRDA Early Restoration Phase III project, and \$6 million Federal Disaster Assistance funding



# Apalachicola Bay

## **USDA Tate's Hell Strategy 1**

- Tate's Hell State Forest
- Hydrologic restoration; landscape restoration/planting; tool development; comprehensive planning on public and private lands
- Category 1: \$2,950,000
- Category 2: 4,050,000
- Leveraging \$1.6 million in FFS and NFWFMD funding

## **DOC-NOAA Money Bayou Wetlands Restoration**

- St. Joseph Bay State Buffer Preserve
- Approx. 1,000 acres of wetlands
- Category 1: \$387,726
- Category 2: \$852,653
- Leverage in-kind partnership



# Suwannee Watershed

Gulf of Mexico



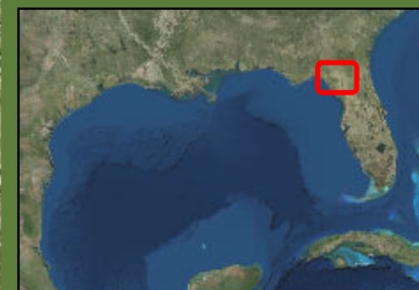
## Gulf Coast Ecosystem Restoration Council

### Suwannee Watershed

Restore, Protect, and Rebuild Projects



Suwannee River Partnership Irrigation  
Water Enhancement Program  
(FL\_RESTORE\_003\_003\_Cat1)



Map Date: August 04, 2015





# Suwannee Watershed

## **Suwannee River Partnership Irrigation Water Enhancement Program**

- FDACS Ag BMPs cost-share program to improve water quality on private land
- Category 1: \$2,884,000
- Eliminate approx. 8,000 lb of fertilizer annually
- Leveraging approx. \$900,000 in cost-share

# Tampa Bay

Gulf of Mexico

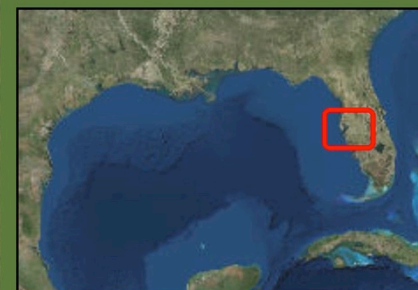


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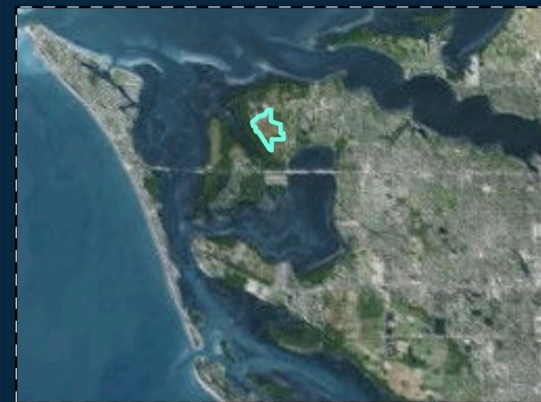
## Tampa Bay Watershed

Restore, Protect, and Rebuild Projects

-  Palm River Restoration Project Phase II, East McKay Bay (FL\_RESTORE\_004\_003\_Cat1/Cat2)
-  Robinson Preserve Wetlands Restoration (DOC\_RESTORE\_001\_011\_Cat1/Cat2)
-  Tampa Bay National Estuary Program (EPA\_RESTORE\_002\_005\_Cat1/Cat2)



Map Date: July 16, 2015





# Tampa Bay

## **Palm River Restoration Project Phase II, East McKay Bay**

- Restore 8 acres of salt marsh and 32 acres of coastal uplands
- Construct 3 stormwater ponds
- Category 1: \$87,750
- Category 2: \$497,250
- Remove 517 lb of nitrogen per year
- Leveraging \$900,000 in SWFWMD and FDOT funding





# Tampa Bay

## **DOC-NOAA Robinson Preserve Wetlands Restoration**

- Restore 85 acres of uplands & create 55 acres of wetland at Robinson Preserve
- Category 1: \$470,910
- Category 2: \$1,319,636
- Leveraging \$40 million in Manatee County & partner funding

## **Tampa Bay National Estuary Program**

- EPA project to implement elements of the Tampa Bay Estuary Program
- Category 1: \$100,000
- Category 2: \$2,000,000
- Reduce 16.5 tons of nitrogen per year, restore 250 acres of coastal habitat, & create 200 acres of seagrass
- Leveraging \$3.4 million in local government & partner funding



## Next Steps

- **Hold Public Meetings in all Five Gulf States**
- **Take Public Comment on the Draft FPL**
- **Carefully Review Public Comment**
- **Make Changes to the FPL as appropriate**
- **Hold a Public Meeting to Vote on Approval of Final FPL**

**Comments Due By: Sept. 28, 2015**

Submit online: [www.RestoreTheGulf.gov](http://www.RestoreTheGulf.gov)

Mail: Gulf Coast Ecosystem Restoration Council

Draft FPL Comments

Hale Boggs Federal Building, Suite 1117

New Orleans, LA 70130

Email: [draftfplcomments@restorethegulf.gov](mailto:draftfplcomments@restorethegulf.gov)



# Thank You

For More Information Visit:  
[www.RestoreTheGulf.gov](http://www.RestoreTheGulf.gov)

